

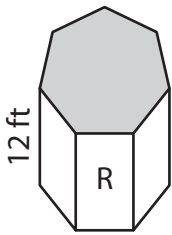
Name : \_\_\_\_\_

## Scale Factors - Surface Areas

L2S3

Each pair of figures is similar. Find the missing surface area. (SA denotes Surface Area)

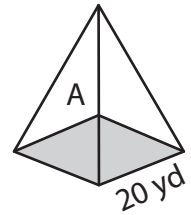
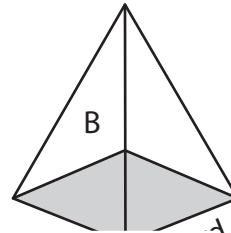
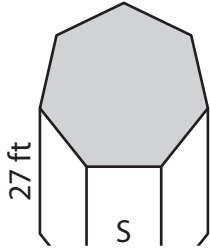
1)



$$SA = 44 \text{ ft}^2$$

Surface area of figure

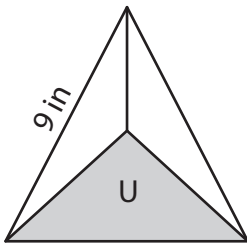
2)



$$SA = ?$$

Surface area of figure A = \_\_\_\_\_

3)



$$SA = 47.5 \text{ in}^2$$

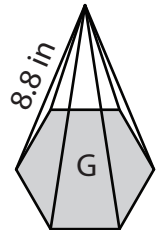
Surface area of figure

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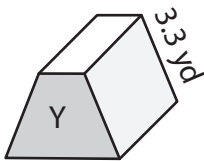
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$$SA = 80 \text{ in}^2$$

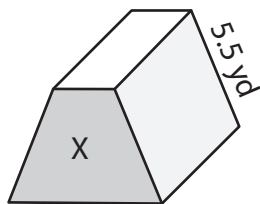
Surface area of figure F = \_\_\_\_\_

5)

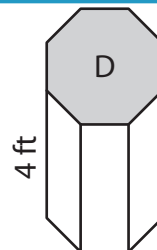


$$SA = ?$$

Surface area of figure Y = \_\_\_\_\_

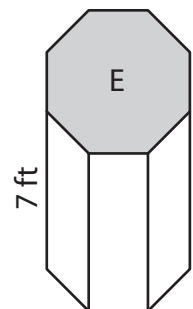


$$SA = 150 \text{ yd}^2$$



$$SA = 32 \text{ ft}^2$$

Surface area of figure E = \_\_\_\_\_



$$SA = ?$$

Name : \_\_\_\_\_

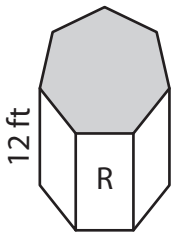
## Answer key

### Scale Factors - Surface Areas

L2S3

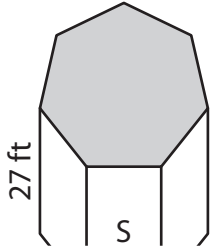
Each pair of figures is similar. Find the missing surface area. (SA denotes Surface Area)

1)

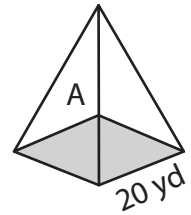
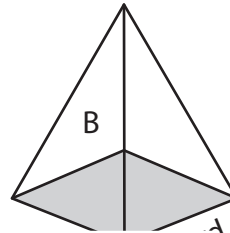


$$SA = 44 \text{ ft}^2$$

Surface area of figure



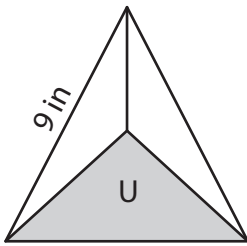
2)



$$SA = ?$$

Surface area of figure A = 700 yd<sup>2</sup>

3)



$$SA = 47.5 \text{ in}^2$$

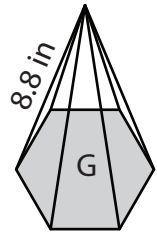
Surface area of figure

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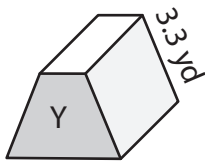
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$$SA = 80 \text{ in}^2$$

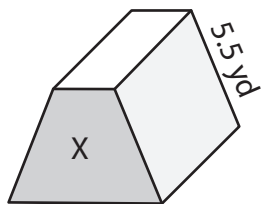
Surface area of figure F = 125 in<sup>2</sup>

5)

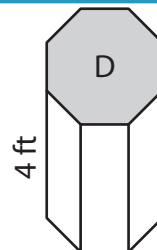


$$SA = ?$$

Surface area of figure Y = 54 yd<sup>2</sup>

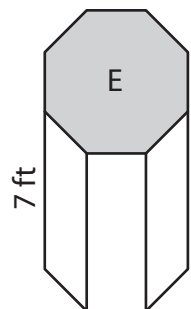


$$SA = 150 \text{ yd}^2$$



$$SA = 32 \text{ ft}^2$$

Surface area of figure E = 98 ft<sup>2</sup>



$$SA = ?$$